

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332000-940

Luminaire Tested: **S123DIP-S1000D365U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332000-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D365U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5074.7 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

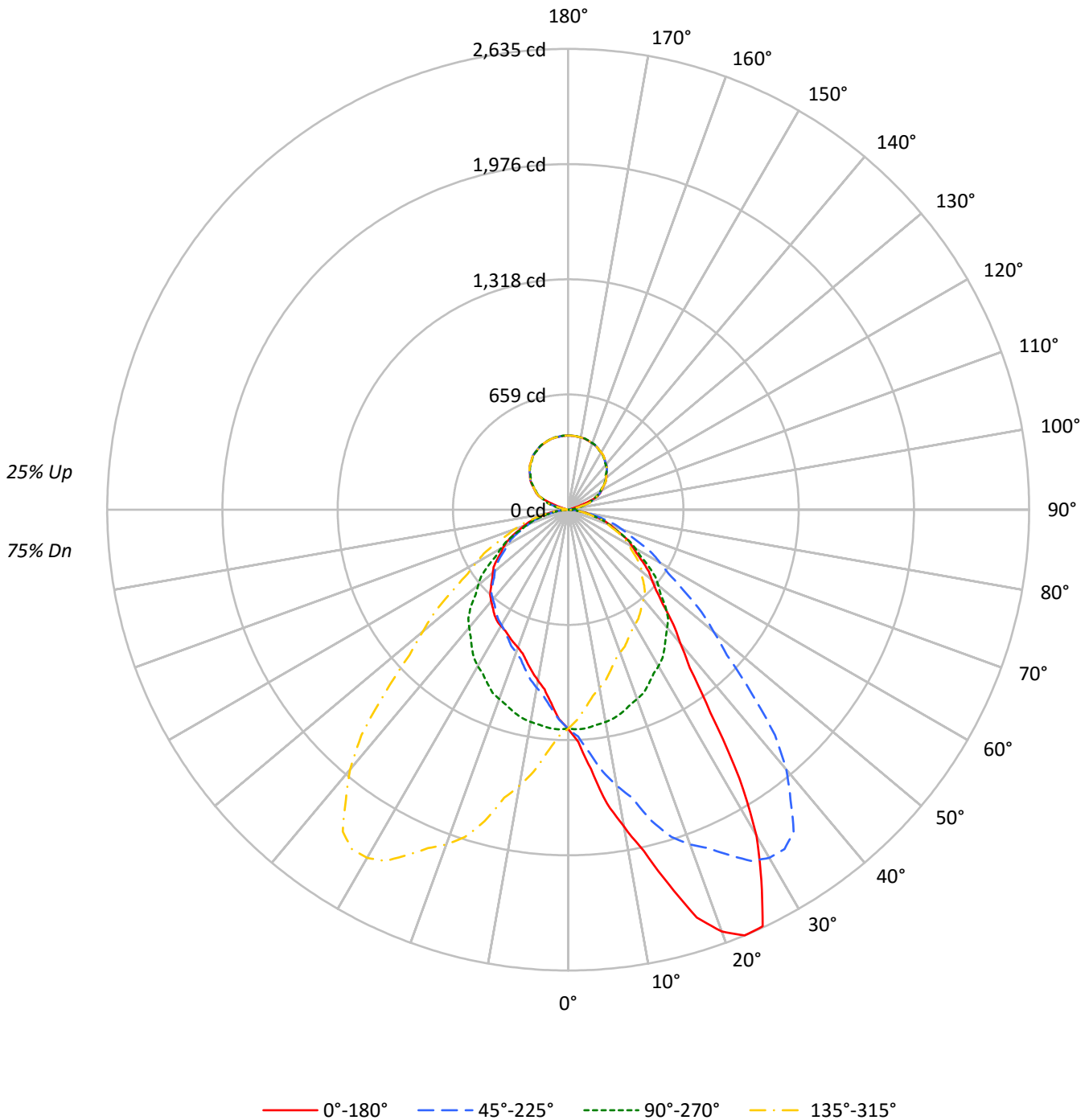
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79	75					75			
1	104	99	95	92	98	95	91	88	86	83	81	78	76	74	70	69	67	64					64			
2	95	87	81	76	90	83	78	73	76	71	68	69	65	62	62	60	57	54					54			
3	87	77	70	64	82	74	67	61	67	62	57	61	57	53	55	52	49	46					46			
4	80	69	60	54	75	66	58	53	60	54	49	55	50	46	50	46	43	40					40			
5	73	61	53	47	69	59	51	45	54	48	43	49	44	40	45	41	37	35					35			
6	68	55	47	41	64	53	45	40	49	42	37	45	39	35	41	36	33	31					31			
7	63	50	42	36	60	48	41	35	44	38	33	41	35	31	37	33	29	27					27			
8	58	46	38	32	55	44	36	31	41	34	30	37	32	28	34	30	26	24					24			
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	22					22			
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22	20					20			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13481	13481	13481	13481
5°	16077	13539	11998	13539
10°	20122	13470	10837	13470
15°	24681	13362	10089	13362
20°	29402	13192	9606	13192
25°	31220	12986	9499	12986
30°	26759	12837	9548	12837
35°	18611	12623	9648	12623
40°	14018	12372	9618	12372
45°	11639	12000	9496	12000
50°	10426	11238	9409	11238
55°	9747	10419	9293	10419
60°	9143	9563	9197	9563
65°	8593	8716	8904	8716
70°	8060	7755	8478	7755
75°	7216	6791	7773	6791
80°	6316	5566	6695	5566
85°	4940	4039	4495	4039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	2.4
10°-20°	395.6	7.8
20°-30°	664.0	13.1
30°-40°	751.8	14.8
40°-50°	674.2	13.3
50°-60°	544.1	10.7
60°-70°	379.1	7.5
70°-80°	199.3	3.9
80°-90°	49.9	1.0
90°-100°	15.4	0.3
100°-110°	73.5	1.4
110°-120°	176.5	3.5
120°-130°	224.8	4.4
130°-140°	240.2	4.7
140°-150°	224.6	4.4
150°-160°	181.2	3.6
160°-170°	116.9	2.3
170°-180°	40.3	0.8
0°-30°	1182.9	23.3
0°-40°	1934.7	38.1
0°-60°	3153.0	62.1
0°-90°	3781.3	74.5
90°-120°	265.4	5.2
90°-150°	955.0	18.8
90°-180°	1293.0	25.5
0°-180°	5074.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1252	1252	1252	1252	1252	
5°	1488	1253	1110	1253	1488	154
15°	2215	1199	905	1199	2215	639
25°	2629	1093	800	1093	2629	1153
35°	1416	961	734	961	1416	920
45°	765	788	624	788	765	605
55°	519	555	495	555	519	466
65°	337	342	350	342	337	336
75°	174	163	187	163	174	186
85°	40	33	36	33	40	48
90°	10	0	10	0	10	6
95°	12	19	12	19	12	10
105°	14	94	14	94	14	32
115°	185	176	185	176	185	171
125°	253	248	253	248	253	226
135°	312	309	312	309	312	241
145°	360	357	360	357	360	225
155°	392	393	392	393	392	181
165°	413	414	413	414	413	117
175°	423	424	423	424	423	40
180°	424	424	424	424	424	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1329.1	1328.2	1325.7	1327.7	1323.8	1318.5	1317.9	1313.1	1299.0	1298.1	1294.2
5°	1487.9	1483.0	1482.4	1481.8	1473.3	1461.8	1439.9	1438.2	1409.0	1394.5	1376.8
7.5°	1693.4	1696.0	1687.1	1679.4	1653.4	1636.3	1612.8	1582.9	1547.1	1510.8	1486.7
10°	1841.0	1861.1	1836.2	1819.2	1803.4	1773.7	1739.1	1696.0	1653.0	1602.6	1564.3
12.5°	1999.3	2009.1	2004.1	1988.2	1963.6	1918.3	1857.1	1809.6	1770.0	1686.0	1652.2
15°	2214.8	2251.8	2228.2	2173.5	2174.8	2131.7	2051.6	1963.6	1916.9	1843.4	1743.4
17.5°	2444.4	2449.1	2439.0	2393.4	2363.1	2303.9	2230.0	2145.6	2051.0	1962.1	1856.0
20°	2566.8	2563.1	2541.9	2518.2	2466.0	2419.9	2339.2	2245.1	2123.8	2036.4	1920.6
22.5°	2634.7	2628.7	2618.6	2598.8	2555.4	2505.9	2433.4	2330.6	2215.1	2094.7	1960.8
25°	2628.7	2636.5	2637.8	2632.3	2617.2	2587.4	2530.3	2448.5	2333.2	2178.4	2038.9
27.5°	2390.8	2402.0	2434.4	2463.2	2495.3	2528.1	2523.7	2483.1	2397.7	2264.1	2093.5
30°	2152.9	2128.7	2188.7	2264.6	2316.1	2407.2	2458.2	2461.2	2413.2	2298.6	2132.3
32.5°	1822.8	1849.5	1876.1	1969.4	2082.1	2184.3	2285.8	2367.5	2376.9	2300.5	2155.1
35°	1416.3	1449.7	1498.2	1546.8	1668.1	1772.5	1950.9	2106.2	2230.0	2246.4	2157.1
37.5°	1141.3	1157.8	1188.5	1237.2	1316.5	1440.3	1578.3	1774.7	1954.0	2087.4	2093.2
40°	997.6	1002.5	1037.1	1074.1	1138.4	1240.3	1364.7	1538.2	1753.0	1939.4	2017.0
42.5°	889.8	900.4	915.2	950.7	1001.9	1078.6	1194.3	1337.7	1534.6	1749.0	1900.9
45°	764.6	776.7	785.8	809.5	845.9	897.4	978.2	1109.2	1259.1	1480.6	1685.1
47.5°	681.8	682.8	689.6	707.4	732.2	770.9	828.0	912.1	1049.7	1229.4	1439.3
50°	622.6	632.3	634.7	648.6	668.1	696.6	744.0	815.6	928.4	1086.2	1279.2
52.5°	580.9	583.7	590.6	600.7	617.6	639.8	680.8	736.9	825.5	959.9	1137.4
55°	519.4	519.4	526.1	534.0	543.7	563.7	591.0	632.3	699.6	804.1	950.8
57.5°	462.6	465.7	470.4	472.8	481.1	494.3	517.1	548.4	598.7	679.0	795.8
60°	424.7	430.3	429.6	434.4	441.8	452.1	471.4	497.0	541.9	606.2	704.5
62.5°	391.7	391.4	391.3	397.1	404.4	414.2	426.9	448.9	487.1	544.0	627.8
65°	337.4	336.2	340.5	344.0	346.5	353.7	363.5	382.9	408.4	450.8	515.8
67.5°	289.1	285.5	287.8	289.1	293.2	298.9	308.0	320.0	340.3	374.4	423.3
70°	256.1	253.1	252.4	253.6	257.3	261.5	268.2	279.7	298.5	325.8	361.7
72.5°	222.1	220.0	219.9	222.6	224.3	227.0	231.8	242.4	257.3	277.8	311.2
75°	173.5	173.5	173.5	174.2	175.9	178.4	182.0	187.5	199.0	213.6	236.0
77.5°	130.1	130.0	129.2	129.1	131.8	132.9	133.8	138.8	145.3	155.1	171.5
80°	101.9	98.9	100.1	101.9	103.2	103.8	105.6	106.8	112.3	117.7	129.2
82.5°	75.7	73.2	73.4	76.2	76.4	77.0	78.9	80.6	82.7	87.7	93.8
85°	40.0	40.0	40.7	40.7	41.3	40.7	42.4	43.1	43.1	46.1	49.8
87.5°	16.5	15.4	15.9	16.4	15.9	16.3	16.8	17.1	17.6	18.0	18.3
90°	9.5	9.3	9.2	9.0	8.9	8.6	8.4	8.1	7.8	7.6	6.7
92.5°	10.4	10.3	10.3	10.2	10.2	9.9	9.5	9.0	8.5	8.0	7.4
95°	11.9	11.9	11.9	11.9	11.9	11.8	11.2	10.8	10.3	9.8	9.0
97.5°	13.0	12.9	12.8	12.8	12.7	12.4	11.9	11.2	10.7	10.2	15.2
100°	13.2	13.2	13.1	13.0	12.9	12.7	12.0	11.5	11.0	10.4	21.3
102.5°	13.5	13.4	13.2	13.1	13.0	13.8	15.5	17.3	19.0	20.8	32.6
105°	13.8	13.7	13.6	13.5	13.3	19.4	31.8	44.2	56.6	69.0	75.3
107.5°	43.5	52.9	62.2	71.6	80.9	90.2	99.2	108.3	117.3	126.4	125.5
110°	86.7	96.7	106.6	116.7	126.7	132.9	135.2	137.5	139.8	142.1	141.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	148.6	150.8	152.9	155.0	157.1	158.2	158.1	158.1	158.0	158.0	157.2
115°	185.3	185.0	184.8	184.4	184.1	183.7	183.0	182.3	181.6	180.8	180.2
117.5°	205.8	205.8	205.7	205.6	205.6	205.3	204.7	204.2	203.6	203.0	202.8
120°	220.0	220.0	220.0	220.0	220.0	219.6	219.1	218.6	218.0	217.4	217.2
122.5°	233.8	233.7	233.7	233.6	233.5	233.4	233.0	232.6	232.2	231.8	231.5
125°	253.3	253.2	253.1	252.9	252.8	252.6	252.5	252.4	252.3	252.1	251.8
127.5°	272.2	272.2	272.4	272.5	272.7	272.7	272.4	272.2	272.0	271.7	271.4
130°	284.2	284.4	284.5	284.6	284.8	284.7	284.5	284.2	283.8	283.6	283.3
132.5°	295.3	295.5	295.7	295.9	296.1	296.0	295.8	295.5	295.2	295.0	294.7
135°	312.3	312.5	312.7	312.9	313.1	313.1	312.9	312.7	312.5	312.3	312.0
137.5°	328.2	328.3	328.5	328.6	328.8	328.7	328.3	328.0	327.7	327.3	327.2
140°	337.8	338.0	338.0	338.2	338.3	338.3	338.0	337.7	337.4	337.2	337.0
142.5°	346.6	346.8	347.0	347.2	347.4	347.4	347.1	347.0	346.7	346.5	346.3
145°	360.2	360.2	360.2	360.2	360.2	360.1	360.0	359.8	359.7	359.5	359.4
147.5°	370.2	370.6	370.9	371.2	371.6	371.7	371.5	371.3	371.2	371.0	371.0
150°	377.8	378.0	378.3	378.4	378.6	378.7	378.5	378.4	378.3	378.1	378.0
152.5°	383.9	384.1	384.5	384.9	385.1	385.2	385.0	384.7	384.4	384.1	384.1
155°	392.3	392.7	393.2	393.6	394.0	394.0	393.7	393.3	393.0	392.6	392.5
157.5°	399.4	399.9	400.6	401.1	401.6	401.7	401.3	400.8	400.4	400.0	400.0
160°	403.9	404.5	404.9	405.5	405.9	406.0	405.6	405.1	404.7	404.3	404.4
162.5°	408.2	408.7	409.1	409.6	410.0	409.9	409.5	409.0	408.5	408.0	408.1
165°	413.4	413.9	414.4	414.9	415.4	415.4	414.8	414.2	413.7	413.1	413.1
167.5°	417.1	417.7	418.2	418.8	419.4	419.4	418.8	418.2	417.7	417.1	417.1
170°	419.4	420.0	420.5	421.1	421.6	421.6	421.1	420.5	420.0	419.4	419.4
172.5°	420.6	421.2	421.9	422.5	423.1	423.1	422.6	422.0	421.5	420.9	420.9
175°	422.6	423.1	423.7	424.3	424.8	424.8	424.4	423.8	423.4	422.8	422.8
177.5°	423.1	423.7	424.3	424.8	425.3	425.4	425.0	424.5	424.1	423.7	423.6
180°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1291.3	1287.4	1283.5	1276.8	1270.9	1262.7	1260.2	1257.3	1248.6	1240.8	1234.9
5°	1370.1	1355.6	1334.4	1314.9	1299.1	1277.9	1265.8	1253.0	1234.8	1218.4	1205.1
7.5°	1452.7	1424.1	1391.1	1355.3	1322.1	1290.0	1264.2	1241.2	1215.7	1191.5	1172.7
10°	1518.2	1476.9	1430.8	1381.1	1338.6	1297.4	1262.8	1232.4	1199.6	1171.1	1147.5
12.5°	1593.0	1531.8	1468.2	1407.7	1357.5	1300.3	1258.4	1219.8	1182.7	1148.3	1121.8
15°	1681.4	1603.7	1528.6	1445.4	1369.0	1297.4	1247.6	1199.1	1155.9	1120.8	1086.8
17.5°	1762.0	1674.0	1574.9	1473.8	1381.5	1296.6	1227.0	1172.1	1118.2	1075.1	1041.3
20°	1807.7	1707.5	1595.3	1490.3	1388.4	1293.7	1217.3	1151.7	1093.4	1047.9	1009.7
22.5°	1847.0	1729.8	1613.7	1501.5	1387.9	1285.9	1199.3	1131.8	1068.7	1024.1	983.5
25°	1887.8	1747.6	1631.1	1499.4	1372.6	1267.0	1169.9	1093.4	1030.4	978.2	936.3
27.5°	1922.7	1746.4	1608.1	1466.5	1348.5	1242.7	1139.1	1057.0	990.1	933.4	890.9
30°	1946.0	1748.8	1584.4	1444.2	1325.3	1216.0	1115.3	1032.8	962.4	904.7	864.7
32.5°	1960.6	1747.3	1562.5	1413.1	1288.3	1191.8	1089.6	1004.2	931.8	875.1	836.5
35°	1969.1	1736.7	1524.9	1348.9	1228.8	1134.7	1049.2	960.6	884.8	832.0	788.3
37.5°	1952.0	1714.2	1481.2	1287.0	1155.5	1062.8	990.9	915.4	842.8	784.7	747.1
40°	1925.4	1699.7	1447.2	1243.3	1105.0	1015.7	954.5	880.5	808.9	753.7	718.5
42.5°	1874.4	1670.0	1409.9	1194.8	1052.6	963.3	907.0	845.1	777.3	725.5	690.3
45°	1750.0	1605.6	1353.8	1122.0	975.1	882.9	833.1	788.3	726.9	676.5	646.2
47.5°	1577.4	1508.6	1272.7	1045.2	894.3	805.6	753.9	717.7	673.0	632.3	603.2
50°	1457.5	1429.1	1217.8	992.7	840.4	753.7	703.9	671.1	639.0	598.3	571.6
52.5°	1319.2	1336.8	1153.8	938.3	785.6	700.3	653.4	627.4	598.2	564.8	541.5
55°	1124.4	1188.1	1043.1	847.1	703.9	622.6	578.3	555.2	538.2	513.4	493.3
57.5°	942.0	1023.1	923.5	753.0	623.7	553.5	511.0	485.9	475.0	462.0	446.2
60°	833.7	913.8	838.0	689.9	569.8	503.0	465.4	444.2	433.3	424.2	410.8
62.5°	737.2	818.2	754.5	625.9	516.8	455.0	422.2	401.4	393.0	388.3	376.8
65°	604.4	674.1	631.7	526.1	441.1	386.6	356.8	342.2	334.4	332.5	325.2
67.5°	491.9	545.0	514.1	436.4	369.5	322.4	297.1	284.7	278.7	278.0	272.6
70°	418.1	467.9	444.2	373.8	316.1	279.1	257.3	246.4	242.7	242.1	239.1
72.5°	360.8	395.5	376.7	318.0	273.4	239.8	223.8	212.4	208.2	209.1	207.1
75°	267.0	293.1	282.1	241.5	205.7	183.9	170.5	163.3	159.6	161.4	159.0
77.5°	192.1	208.7	198.8	170.7	148.6	132.8	123.0	118.4	115.2	115.0	114.0
80°	145.0	154.7	149.3	132.2	114.0	100.8	92.8	89.8	88.0	87.4	86.8
82.5°	103.3	111.6	105.1	93.5	81.1	73.0	68.6	64.6	63.2	63.6	63.0
85°	52.2	55.2	52.8	45.5	40.7	37.0	34.6	32.7	31.6	32.2	30.9
87.5°	19.1	19.4	17.7	15.7	14.5	12.9	12.8	11.7	10.9	11.1	10.7
90°	5.7	4.8	3.9	3.1	2.4	1.7	1.0	0.4	1.0	1.7	2.4
92.5°	6.7	6.0	5.4	5.1	5.3	5.4	5.7	5.9	5.7	5.4	5.3
95°	8.2	7.5	6.7	7.8	10.6	13.5	16.3	19.3	16.3	13.5	10.6
97.5°	20.2	25.2	30.3	33.4	34.8	36.0	37.4	38.6	37.4	36.0	34.8
100°	32.3	43.2	54.1	58.9	57.4	56.1	54.7	53.2	54.7	56.1	57.4
102.5°	44.6	56.5	68.5	73.9	72.9	71.9	70.9	69.9	70.9	71.9	72.9
105°	81.6	87.9	94.3	97.0	96.2	95.4	94.7	93.9	94.7	95.4	96.2
107.5°	124.5	123.5	122.5	121.7	121.1	120.5	119.8	119.2	119.8	120.5	121.1
110°	140.5	139.8	139.0	138.4	137.8	137.2	136.7	136.2	136.7	137.2	137.8



TEST NUMBER: P332000-940

CATALOG NUMBER: S123DIP-S1000D365U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	156.5	155.7	154.9	154.3	153.7	153.3	152.8	152.2	152.8	153.3	153.7
115°	179.6	179.0	178.3	177.8	177.4	177.0	176.6	176.1	176.6	177.0	177.4
117.5°	202.4	202.1	201.8	201.3	200.8	200.3	199.8	199.3	199.8	200.3	200.8
120°	217.0	216.8	216.6	216.2	215.5	214.9	214.3	213.7	214.3	214.9	215.5
122.5°	231.2	231.0	230.7	230.3	229.8	229.3	228.8	228.3	228.8	229.3	229.8
125°	251.6	251.3	250.9	250.6	249.9	249.4	248.9	248.3	248.9	249.4	249.9
127.5°	271.1	270.7	270.4	269.9	269.4	268.9	268.3	267.7	268.3	268.9	269.4
130°	283.0	282.8	282.5	282.0	281.5	280.9	280.4	279.8	280.4	280.9	281.5
132.5°	294.5	294.3	294.0	293.6	293.1	292.6	291.9	291.4	291.9	292.6	293.1
135°	311.7	311.4	311.1	310.8	310.4	310.0	309.5	309.2	309.5	310.0	310.4
137.5°	327.0	326.9	326.7	326.4	325.8	325.3	324.8	324.2	324.8	325.3	325.8
140°	336.7	336.5	336.4	336.0	335.6	335.2	334.7	334.3	334.7	335.2	335.6
142.5°	346.1	345.9	345.6	345.4	344.9	344.5	344.1	343.7	344.1	344.5	344.9
145°	359.3	359.1	359.0	358.6	358.2	357.7	357.2	356.7	357.2	357.7	358.2
147.5°	370.8	370.7	370.5	370.2	370.0	369.6	369.3	369.0	369.3	369.6	370.0
150°	377.8	377.7	377.6	377.4	377.2	376.9	376.7	376.6	376.7	376.9	377.2
152.5°	384.0	383.9	383.9	383.7	383.6	383.5	383.4	383.3	383.4	383.5	383.6
155°	392.4	392.4	392.4	392.4	392.5	392.6	392.8	393.0	392.8	392.6	392.5
157.5°	400.1	400.2	400.3	400.3	400.3	400.4	400.4	400.4	400.4	400.4	400.3
160°	404.4	404.5	404.6	404.7	404.7	404.7	404.8	404.9	404.8	404.7	404.7
162.5°	408.2	408.2	408.3	408.5	408.7	408.8	409.0	409.2	409.0	408.8	408.7
165°	413.2	413.3	413.4	413.5	413.8	413.9	414.1	414.4	414.1	413.9	413.8
167.5°	417.1	417.1	417.1	417.2	417.6	417.9	418.1	418.4	418.1	417.9	417.6
170°	419.4	419.4	419.4	419.5	419.8	420.1	420.4	420.6	420.4	420.1	419.8
172.5°	420.8	420.7	420.7	420.8	421.2	421.5	421.9	422.1	421.9	421.5	421.2
175°	422.8	422.7	422.6	422.8	423.1	423.4	423.7	424.1	423.7	423.4	423.1
177.5°	423.5	423.5	423.4	423.5	423.8	424.1	424.4	424.6	424.4	424.1	423.8
180°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1



TEST NUMBER: P332000-940

CATALOG NUMBER: S123DIP-S1000D365U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1231.5	1228.2	1223.3	1216.0	1210.2	1201.0	1201.0	1202.5	1202.5	1201.9	1201.0
5°	1194.2	1185.1	1174.2	1161.5	1148.1	1134.7	1132.3	1127.5	1123.8	1121.3	1118.3
7.5°	1154.8	1138.6	1122.7	1104.8	1088.6	1075.1	1065.8	1058.0	1053.0	1047.7	1043.8
10°	1128.0	1108.0	1089.2	1070.4	1049.7	1033.4	1023.1	1015.7	1010.3	1005.5	1003.1
12.5°	1096.4	1073.5	1052.8	1034.9	1012.4	995.5	985.7	982.3	975.9	965.6	960.3
15°	1050.3	1029.1	1004.2	977.0	966.0	945.4	933.9	928.4	924.8	916.9	914.4
17.5°	1010.9	983.1	955.2	934.9	914.5	897.9	891.4	884.6	879.8	873.3	871.4
20°	979.4	954.5	929.0	907.1	885.9	867.7	862.3	857.4	852.6	849.5	847.1
22.5°	947.4	922.5	901.3	880.9	858.3	846.3	840.4	835.1	831.7	829.6	827.2
25°	902.3	880.5	856.8	838.6	820.4	812.5	808.9	805.8	803.4	800.4	799.8
27.5°	862.0	838.2	819.0	802.1	789.0	782.4	778.9	777.4	777.9	779.0	779.7
30°	832.0	810.1	794.3	779.7	767.6	761.5	760.9	760.9	763.4	763.9	765.2
32.5°	804.2	786.3	770.5	756.4	747.3	743.1	745.4	745.4	747.3	748.9	751.1
35°	763.9	748.1	736.0	723.9	716.0	717.8	719.1	720.2	723.3	726.9	729.4
37.5°	725.5	711.8	699.2	689.6	686.1	689.3	692.2	694.8	698.3	701.1	703.6
40°	697.9	687.5	675.4	666.9	668.1	669.9	672.3	675.4	678.4	680.2	682.7
42.5°	672.1	661.3	652.1	645.1	646.8	649.1	650.5	652.1	655.6	658.9	660.3
45°	632.9	624.4	615.9	611.6	612.9	614.1	615.3	617.2	620.2	622.6	623.2
47.5°	588.8	582.9	577.2	573.1	575.0	574.5	576.1	580.0	580.9	582.4	585.8
50°	560.7	555.2	548.6	547.3	547.3	547.3	548.0	552.8	552.8	555.2	557.7
52.5°	529.6	526.1	521.8	519.7	518.7	518.7	521.2	523.7	524.7	528.1	530.5
55°	483.7	480.0	476.4	474.5	473.3	474.5	479.4	480.5	483.7	485.4	487.2
57.5°	435.7	432.9	430.0	429.0	428.7	430.3	433.0	436.7	437.4	443.0	445.8
60°	404.1	399.8	397.4	397.4	396.3	401.7	400.5	406.5	407.8	411.4	415.6
62.5°	371.6	365.9	364.9	364.9	366.7	368.2	369.9	372.6	375.8	380.3	383.6
65°	319.1	316.1	320.4	319.8	318.6	322.2	322.2	325.2	328.9	333.1	339.8
67.5°	269.6	268.0	268.3	268.3	270.2	272.2	273.9	276.6	281.0	285.4	289.8
70°	236.0	237.9	234.9	237.3	239.1	239.7	240.9	244.5	249.4	252.4	257.3
72.5°	203.5	203.4	203.8	204.7	206.5	207.7	208.8	213.0	218.3	220.9	224.8
75°	156.6	156.0	157.7	157.7	160.8	162.0	163.3	165.1	169.9	173.5	176.6
77.5°	114.3	115.0	114.7	116.7	115.9	116.1	119.9	121.7	122.3	129.4	131.0
80°	86.1	87.4	88.0	88.6	89.2	88.0	92.2	94.1	94.1	98.3	101.3
82.5°	61.9	62.6	64.2	64.8	64.9	66.2	66.5	67.9	69.3	71.2	75.1
85°	30.9	32.7	33.3	32.7	33.3	32.2	34.0	34.6	35.2	35.2	35.2
87.5°	10.3	11.0	10.7	11.3	11.1	11.7	11.8	10.9	10.9	12.4	10.5
90°	3.1	3.9	4.8	5.7	6.7	7.6	7.8	8.1	8.4	8.6	8.9
92.5°	5.1	5.4	6.0	6.7	7.4	8.0	8.5	9.0	9.5	9.9	10.2
95°	7.8	6.7	7.5	8.2	9.0	9.8	10.3	10.8	11.2	11.8	11.9
97.5°	33.4	30.3	25.2	20.2	15.2	10.2	10.7	11.2	11.9	12.4	12.7
100°	58.9	54.1	43.2	32.3	21.3	10.4	11.0	11.5	12.0	12.7	12.9
102.5°	73.9	68.5	56.5	44.6	32.6	20.8	19.0	17.3	15.5	13.8	13.0
105°	97.0	94.3	87.9	81.6	75.3	69.0	56.6	44.2	31.8	19.4	13.3
107.5°	121.7	122.5	123.5	124.5	125.5	126.4	117.3	108.3	99.2	90.2	80.9
110°	138.4	139.0	139.8	140.5	141.3	142.1	139.8	137.5	135.2	132.9	126.7



TEST NUMBER: P332000-940

CATALOG NUMBER: S123DIP-S1000D365U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	154.3	154.9	155.7	156.5	157.2	158.0	158.0	158.1	158.1	158.2	157.1
115°	177.8	178.3	179.0	179.6	180.2	180.8	181.6	182.3	183.0	183.7	184.1
117.5°	201.3	201.8	202.1	202.4	202.8	203.0	203.6	204.2	204.7	205.3	205.6
120°	216.2	216.6	216.8	217.0	217.2	217.4	218.0	218.6	219.1	219.6	220.0
122.5°	230.3	230.7	231.0	231.2	231.5	231.8	232.2	232.6	233.0	233.4	233.5
125°	250.6	250.9	251.3	251.6	251.8	252.1	252.3	252.4	252.5	252.6	252.8
127.5°	269.9	270.4	270.7	271.1	271.4	271.7	272.0	272.2	272.4	272.7	272.7
130°	282.0	282.5	282.8	283.0	283.3	283.6	283.8	284.2	284.5	284.7	284.8
132.5°	293.6	294.0	294.3	294.5	294.7	295.0	295.2	295.5	295.8	296.0	296.1
135°	310.8	311.1	311.4	311.7	312.0	312.3	312.5	312.7	312.9	313.1	313.1
137.5°	326.4	326.7	326.9	327.0	327.2	327.3	327.7	328.0	328.3	328.7	328.8
140°	336.0	336.4	336.5	336.7	337.0	337.2	337.4	337.7	338.0	338.3	338.3
142.5°	345.4	345.6	345.9	346.1	346.3	346.5	346.7	347.0	347.1	347.4	347.4
145°	358.6	359.0	359.1	359.3	359.4	359.5	359.7	359.8	360.0	360.1	360.2
147.5°	370.2	370.5	370.7	370.8	371.0	371.0	371.2	371.3	371.5	371.7	371.6
150°	377.4	377.6	377.7	377.8	378.0	378.1	378.3	378.4	378.5	378.7	378.6
152.5°	383.7	383.9	383.9	384.0	384.1	384.1	384.4	384.7	385.0	385.2	385.1
155°	392.4	392.4	392.4	392.4	392.5	392.6	393.0	393.3	393.7	394.0	394.0
157.5°	400.3	400.3	400.2	400.1	400.0	400.0	400.4	400.8	401.3	401.7	401.6
160°	404.7	404.6	404.5	404.4	404.4	404.3	404.7	405.1	405.6	406.0	405.9
162.5°	408.5	408.3	408.2	408.2	408.1	408.0	408.5	409.0	409.5	409.9	410.0
165°	413.5	413.4	413.3	413.2	413.1	413.1	413.7	414.2	414.8	415.4	415.4
167.5°	417.2	417.1	417.1	417.1	417.1	417.1	417.7	418.2	418.8	419.4	419.4
170°	419.5	419.4	419.4	419.4	419.4	419.4	420.0	420.5	421.1	421.6	421.6
172.5°	420.8	420.7	420.7	420.8	420.9	420.9	421.5	422.0	422.6	423.1	423.1
175°	422.8	422.6	422.7	422.8	422.8	422.8	423.4	423.8	424.4	424.8	424.8
177.5°	423.5	423.4	423.5	423.5	423.6	423.7	424.1	424.5	425.0	425.4	425.3
180°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1



TEST NUMBER: P332000-940

CATALOG NUMBER: S123DIP-S1000D365U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1197.6	1197.1	1200.5	1198.1	1200.5	1197.1	1197.6	1201.0	1201.9	1202.5	1202.5
5°	1114.7	1116.5	1110.4	1110.4	1110.4	1116.5	1114.7	1118.3	1121.3	1123.8	1127.5
7.5°	1040.9	1038.2	1038.5	1035.2	1038.5	1038.2	1040.9	1043.8	1047.7	1053.0	1058.0
10°	995.8	992.1	990.9	991.5	990.9	992.1	995.8	1003.1	1005.5	1010.3	1015.7
12.5°	958.4	957.7	949.7	949.8	949.7	957.7	958.4	960.3	965.6	975.9	982.3
15°	914.4	902.9	901.7	905.4	901.7	902.9	914.4	914.4	916.9	924.8	928.4
17.5°	870.4	864.3	864.7	862.9	864.7	864.3	870.4	871.4	873.3	879.8	884.6
20°	847.1	843.5	842.8	838.6	842.8	843.5	847.1	847.1	849.5	852.6	857.4
22.5°	825.7	824.6	824.9	820.2	824.9	824.6	825.7	827.2	829.6	831.7	835.1
25°	799.2	802.2	799.8	799.8	799.8	802.2	799.2	799.8	800.4	803.4	805.8
27.5°	781.2	781.0	779.9	779.9	779.9	781.0	781.2	779.7	779.0	777.9	777.4
30°	767.6	767.0	768.2	768.2	768.2	767.0	767.6	765.2	763.9	763.4	760.9
32.5°	754.0	754.8	755.1	755.5	755.1	754.8	754.0	751.1	748.9	747.3	745.4
35°	733.0	733.6	735.5	734.2	735.5	733.6	733.0	729.4	726.9	723.3	720.2
37.5°	704.6	707.4	706.8	707.8	706.8	707.4	704.6	703.6	701.1	698.3	694.8
40°	683.2	685.1	684.5	684.5	684.5	685.1	683.2	682.7	680.2	678.4	675.4
42.5°	661.4	662.7	661.2	660.2	661.2	662.7	661.4	660.3	658.9	655.6	652.1
45°	625.6	624.4	626.2	623.8	626.2	624.4	625.6	623.2	622.6	620.2	617.2
47.5°	585.6	586.7	587.3	589.1	587.3	586.7	585.6	585.8	582.4	580.9	580.0
50°	558.8	562.5	562.5	561.9	562.5	562.5	558.8	557.7	555.2	552.8	552.8
52.5°	532.6	534.3	536.8	536.6	536.8	534.3	532.6	530.5	528.1	524.7	523.7
55°	492.1	493.3	494.5	495.2	494.5	493.3	492.1	487.2	485.4	483.7	480.5
57.5°	450.1	449.6	452.5	453.4	452.5	449.6	450.1	445.8	443.0	437.4	436.7
60°	420.5	420.5	425.3	427.2	425.3	420.5	420.5	415.6	411.4	407.8	406.5
62.5°	389.0	390.9	395.7	393.2	395.7	390.9	389.0	383.6	380.3	375.8	372.6
65°	342.9	347.7	347.1	349.6	347.1	347.7	342.9	339.8	333.1	328.9	325.2
67.5°	294.6	297.7	302.0	302.5	302.0	297.7	294.6	289.8	285.4	281.0	276.6
70°	262.2	265.2	267.6	269.4	267.6	265.2	262.2	257.3	252.4	249.4	244.5
72.5°	230.6	232.2	238.0	235.4	238.0	232.2	230.6	224.8	220.9	218.3	213.0
75°	180.8	185.0	188.7	186.9	188.7	185.0	180.8	176.6	173.5	169.9	165.1
77.5°	133.8	137.9	139.6	138.1	139.6	137.9	133.8	131.0	129.4	122.3	121.7
80°	105.6	105.0	108.6	108.0	108.6	105.0	105.6	101.3	98.3	94.1	94.1
82.5°	77.4	76.9	78.6	78.9	78.6	76.9	77.4	75.1	71.2	69.3	67.9
85°	37.6	39.4	37.0	36.4	37.0	39.4	37.6	35.2	35.2	35.2	34.6
87.5°	10.5	10.6	10.1	9.6	10.1	10.6	10.5	10.5	12.4	10.9	10.9
90°	9.0	9.2	9.3	9.5	9.3	9.2	9.0	8.9	8.6	8.4	8.1
92.5°	10.2	10.3	10.3	10.4	10.3	10.3	10.2	10.2	9.9	9.5	9.0
95°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.8	11.2	10.8
97.5°	12.8	12.8	12.9	13.0	12.9	12.8	12.8	12.7	12.4	11.9	11.2
100°	13.0	13.1	13.2	13.2	13.2	13.1	13.0	12.9	12.7	12.0	11.5
102.5°	13.1	13.2	13.4	13.5	13.4	13.2	13.1	13.0	13.8	15.5	17.3
105°	13.5	13.6	13.7	13.8	13.7	13.6	13.5	13.3	19.4	31.8	44.2
107.5°	71.6	62.2	52.9	43.5	52.9	62.2	71.6	80.9	90.2	99.2	108.3
110°	116.7	106.6	96.7	86.7	96.7	106.6	116.7	126.7	132.9	135.2	137.5



TEST NUMBER: P332000-940

CATALOG NUMBER: S123DIP-S1000D365U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	155.0	152.9	150.8	148.6	150.8	152.9	155.0	157.1	158.2	158.1	158.1
115°	184.4	184.8	185.0	185.3	185.0	184.8	184.4	184.1	183.7	183.0	182.3
117.5°	205.6	205.7	205.8	205.8	205.8	205.7	205.6	205.6	205.3	204.7	204.2
120°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	219.6	219.1	218.6
122.5°	233.6	233.7	233.7	233.8	233.7	233.7	233.6	233.5	233.4	233.0	232.6
125°	252.9	253.1	253.2	253.3	253.2	253.1	252.9	252.8	252.6	252.5	252.4
127.5°	272.5	272.4	272.2	272.2	272.2	272.4	272.5	272.7	272.7	272.4	272.2
130°	284.6	284.5	284.4	284.2	284.4	284.5	284.6	284.8	284.7	284.5	284.2
132.5°	295.9	295.7	295.5	295.3	295.5	295.7	295.9	296.1	296.0	295.8	295.5
135°	312.9	312.7	312.5	312.3	312.5	312.7	312.9	313.1	313.1	312.9	312.7
137.5°	328.6	328.5	328.3	328.2	328.3	328.5	328.6	328.8	328.7	328.3	328.0
140°	338.2	338.0	338.0	337.8	338.0	338.0	338.2	338.3	338.3	338.0	337.7
142.5°	347.2	347.0	346.8	346.6	346.8	347.0	347.2	347.4	347.4	347.1	347.0
145°	360.2	360.2	360.2	360.2	360.2	360.2	360.2	360.2	360.1	360.0	359.8
147.5°	371.2	370.9	370.6	370.2	370.6	370.9	371.2	371.6	371.7	371.5	371.3
150°	378.4	378.3	378.0	377.8	378.0	378.3	378.4	378.6	378.7	378.5	378.4
152.5°	384.9	384.5	384.1	383.9	384.1	384.5	384.9	385.1	385.2	385.0	384.7
155°	393.6	393.2	392.7	392.3	392.7	393.2	393.6	394.0	394.0	393.7	393.3
157.5°	401.1	400.6	399.9	399.4	399.9	400.6	401.1	401.6	401.7	401.3	400.8
160°	405.5	404.9	404.5	403.9	404.5	404.9	405.5	405.9	406.0	405.6	405.1
162.5°	409.6	409.1	408.7	408.2	408.7	409.1	409.6	410.0	409.9	409.5	409.0
165°	414.9	414.4	413.9	413.4	413.9	414.4	414.9	415.4	415.4	414.8	414.2
167.5°	418.8	418.2	417.7	417.1	417.7	418.2	418.8	419.4	419.4	418.8	418.2
170°	421.1	420.5	420.0	419.4	420.0	420.5	421.1	421.6	421.6	421.1	420.5
172.5°	422.5	421.9	421.2	420.6	421.2	421.9	422.5	423.1	423.1	422.6	422.0
175°	424.3	423.7	423.1	422.6	423.1	423.7	424.3	424.8	424.8	424.4	423.8
177.5°	424.8	424.3	423.7	423.1	423.7	424.3	424.8	425.3	425.4	425.0	424.5
180°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1



TEST NUMBER: P332000-940

CATALOG NUMBER: S123DIP-S1000D365U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1201.0	1201.0	1210.2	1216.0	1223.3	1228.2	1231.5	1234.9	1240.8	1248.6	1257.3
5°	1132.3	1134.7	1148.1	1161.5	1174.2	1185.1	1194.2	1205.1	1218.4	1234.8	1253.0
7.5°	1065.8	1075.1	1088.6	1104.8	1122.7	1138.6	1154.8	1172.7	1191.5	1215.7	1241.2
10°	1023.1	1033.4	1049.7	1070.4	1089.2	1108.0	1128.0	1147.5	1171.1	1199.6	1232.4
12.5°	985.7	995.5	1012.4	1034.9	1052.8	1073.5	1096.4	1121.8	1148.3	1182.7	1219.8
15°	933.9	945.4	966.0	977.0	1004.2	1029.1	1050.3	1086.8	1120.8	1155.9	1199.1
17.5°	891.4	897.9	914.5	934.9	955.2	983.1	1010.9	1041.3	1075.1	1118.2	1172.1
20°	862.3	867.7	885.9	907.1	929.0	954.5	979.4	1009.7	1047.9	1093.4	1151.7
22.5°	840.4	846.3	858.3	880.9	901.3	922.5	947.4	983.5	1024.1	1068.7	1131.8
25°	808.9	812.5	820.4	838.6	856.8	880.5	902.3	936.3	978.2	1030.4	1093.4
27.5°	778.9	782.4	789.0	802.1	819.0	838.2	862.0	890.9	933.4	990.1	1057.0
30°	760.9	761.5	767.6	779.7	794.3	810.1	832.0	864.7	904.7	962.4	1032.8
32.5°	745.4	743.1	747.3	756.4	770.5	786.3	804.2	836.5	875.1	931.8	1004.2
35°	719.1	717.8	716.0	723.9	736.0	748.1	763.9	788.3	832.0	884.8	960.6
37.5°	692.2	689.3	686.1	689.6	699.2	711.8	725.5	747.1	784.7	842.8	915.4
40°	672.3	669.9	668.1	666.9	675.4	687.5	697.9	718.5	753.7	808.9	880.5
42.5°	650.5	649.1	646.8	645.1	652.1	661.3	672.1	690.3	725.5	777.3	845.1
45°	615.3	614.1	612.9	611.6	615.9	624.4	632.9	646.2	676.5	726.9	788.3
47.5°	576.1	574.5	575.0	573.1	577.2	582.9	588.8	603.2	632.3	673.0	717.7
50°	548.0	547.3	547.3	547.3	548.6	555.2	560.7	571.6	598.3	639.0	671.1
52.5°	521.2	518.7	518.7	519.7	521.8	526.1	529.6	541.5	564.8	598.2	627.4
55°	479.4	474.5	473.3	474.5	476.4	480.0	483.7	493.3	513.4	538.2	555.2
57.5°	433.0	430.3	428.7	429.0	430.0	432.9	435.7	446.2	462.0	475.0	485.9
60°	400.5	401.7	396.3	397.4	397.4	399.8	404.1	410.8	424.2	433.3	444.2
62.5°	369.9	368.2	366.7	364.9	364.9	365.9	371.6	376.8	388.3	393.0	401.4
65°	322.2	322.2	318.6	319.8	320.4	316.1	319.1	325.2	332.5	334.4	342.2
67.5°	273.9	272.2	270.2	268.3	268.3	268.0	269.6	272.6	278.0	278.7	284.7
70°	240.9	239.7	239.1	237.3	234.9	237.9	236.0	239.1	242.1	242.7	246.4
72.5°	208.8	207.7	206.5	204.7	203.8	203.4	203.5	207.1	209.1	208.2	212.4
75°	163.3	162.0	160.8	157.7	157.7	156.0	156.6	159.0	161.4	159.6	163.3
77.5°	119.9	116.1	115.9	116.7	114.7	115.0	114.3	114.0	115.0	115.2	118.4
80°	92.2	88.0	89.2	88.6	88.0	87.4	86.1	86.8	87.4	88.0	89.8
82.5°	66.5	66.2	64.9	64.8	64.2	62.6	61.9	63.0	63.6	63.2	64.6
85°	34.0	32.2	33.3	32.7	33.3	32.7	30.9	30.9	32.2	31.6	32.7
87.5°	11.8	11.7	11.1	11.3	10.7	11.0	10.3	10.7	11.1	10.9	11.7
90°	7.8	7.6	6.7	5.7	4.8	3.9	3.1	2.4	1.7	1.0	0.4
92.5°	8.5	8.0	7.4	6.7	6.0	5.4	5.1	5.3	5.4	5.7	5.9
95°	10.3	9.8	9.0	8.2	7.5	6.7	7.8	10.6	13.5	16.3	19.3
97.5°	10.7	10.2	15.2	20.2	25.2	30.3	33.4	34.8	36.0	37.4	38.6
100°	11.0	10.4	21.3	32.3	43.2	54.1	58.9	57.4	56.1	54.7	53.2
102.5°	19.0	20.8	32.6	44.6	56.5	68.5	73.9	72.9	71.9	70.9	69.9
105°	56.6	69.0	75.3	81.6	87.9	94.3	97.0	96.2	95.4	94.7	93.9
107.5°	117.3	126.4	125.5	124.5	123.5	122.5	121.7	121.1	120.5	119.8	119.2
110°	139.8	142.1	141.3	140.5	139.8	139.0	138.4	137.8	137.2	136.7	136.2



TEST NUMBER: P332000-940

CATALOG NUMBER: S123DIP-S1000D365U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	158.0	158.0	157.2	156.5	155.7	154.9	154.3	153.7	153.3	152.8	152.2
115°	181.6	180.8	180.2	179.6	179.0	178.3	177.8	177.4	177.0	176.6	176.1
117.5°	203.6	203.0	202.8	202.4	202.1	201.8	201.3	200.8	200.3	199.8	199.3
120°	218.0	217.4	217.2	217.0	216.8	216.6	216.2	215.5	214.9	214.3	213.7
122.5°	232.2	231.8	231.5	231.2	231.0	230.7	230.3	229.8	229.3	228.8	228.3
125°	252.3	252.1	251.8	251.6	251.3	250.9	250.6	249.9	249.4	248.9	248.3
127.5°	272.0	271.7	271.4	271.1	270.7	270.4	269.9	269.4	268.9	268.3	267.7
130°	283.8	283.6	283.3	283.0	282.8	282.5	282.0	281.5	280.9	280.4	279.8
132.5°	295.2	295.0	294.7	294.5	294.3	294.0	293.6	293.1	292.6	291.9	291.4
135°	312.5	312.3	312.0	311.7	311.4	311.1	310.8	310.4	310.0	309.5	309.2
137.5°	327.7	327.3	327.2	327.0	326.9	326.7	326.4	325.8	325.3	324.8	324.2
140°	337.4	337.2	337.0	336.7	336.5	336.4	336.0	335.6	335.2	334.7	334.3
142.5°	346.7	346.5	346.3	346.1	345.9	345.6	345.4	344.9	344.5	344.1	343.7
145°	359.7	359.5	359.4	359.3	359.1	359.0	358.6	358.2	357.7	357.2	356.7
147.5°	371.2	371.0	371.0	370.8	370.7	370.5	370.2	370.0	369.6	369.3	369.0
150°	378.3	378.1	378.0	377.8	377.7	377.6	377.4	377.2	376.9	376.7	376.6
152.5°	384.4	384.1	384.1	384.0	383.9	383.9	383.7	383.6	383.5	383.4	383.3
155°	393.0	392.6	392.5	392.4	392.4	392.4	392.4	392.5	392.6	392.8	393.0
157.5°	400.4	400.0	400.0	400.1	400.2	400.3	400.3	400.3	400.4	400.4	400.4
160°	404.7	404.3	404.4	404.4	404.5	404.6	404.7	404.7	404.7	404.8	404.9
162.5°	408.5	408.0	408.1	408.2	408.2	408.3	408.5	408.7	408.8	409.0	409.2
165°	413.7	413.1	413.1	413.2	413.3	413.4	413.5	413.8	413.9	414.1	414.4
167.5°	417.7	417.1	417.1	417.1	417.1	417.1	417.2	417.6	417.9	418.1	418.4
170°	420.0	419.4	419.4	419.4	419.4	419.4	419.5	419.8	420.1	420.4	420.6
172.5°	421.5	420.9	420.9	420.8	420.7	420.7	420.8	421.2	421.5	421.9	422.1
175°	423.4	422.8	422.8	422.8	422.7	422.6	422.8	423.1	423.4	423.7	424.1
177.5°	424.1	423.7	423.6	423.5	423.5	423.4	423.5	423.8	424.1	424.4	424.6
180°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1



TEST NUMBER: P332000-940

CATALOG NUMBER: S123DIP-S1000D365U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1260.2	1262.7	1270.9	1276.8	1283.5	1287.4	1291.3	1294.2	1298.1	1299.0	1313.1
5°	1265.8	1277.9	1299.1	1314.9	1334.4	1355.6	1370.1	1376.8	1394.5	1409.0	1438.2
7.5°	1264.2	1290.0	1322.1	1355.3	1391.1	1424.1	1452.7	1486.7	1510.8	1547.1	1582.9
10°	1262.8	1297.4	1338.6	1381.1	1430.8	1476.9	1518.2	1564.3	1602.6	1653.0	1696.0
12.5°	1258.4	1300.3	1357.5	1407.7	1468.2	1531.8	1593.0	1652.2	1686.0	1770.0	1809.6
15°	1247.6	1297.4	1369.0	1445.4	1528.6	1603.7	1681.4	1743.4	1843.4	1916.9	1963.6
17.5°	1227.0	1296.6	1381.5	1473.8	1574.9	1674.0	1762.0	1856.0	1962.1	2051.0	2145.6
20°	1217.3	1293.7	1388.4	1490.3	1595.3	1707.5	1807.7	1920.6	2036.4	2123.8	2245.1
22.5°	1199.3	1285.9	1387.9	1501.5	1613.7	1729.8	1847.0	1960.8	2094.7	2215.1	2330.6
25°	1169.9	1267.0	1372.6	1499.4	1631.1	1747.6	1887.8	2038.9	2178.4	2333.2	2448.5
27.5°	1139.1	1242.7	1348.5	1466.5	1608.1	1746.4	1922.7	2093.5	2264.1	2397.7	2483.1
30°	1115.3	1216.0	1325.3	1444.2	1584.4	1748.8	1946.0	2132.3	2298.6	2413.2	2461.2
32.5°	1089.6	1191.8	1288.3	1413.1	1562.5	1747.3	1960.6	2155.1	2300.5	2376.9	2367.5
35°	1049.2	1134.7	1228.8	1348.9	1524.9	1736.7	1969.1	2157.1	2246.4	2230.0	2106.2
37.5°	990.9	1062.8	1155.5	1287.0	1481.2	1714.2	1952.0	2093.2	2087.4	1954.0	1774.7
40°	954.5	1015.7	1105.0	1243.3	1447.2	1699.7	1925.4	2017.0	1939.4	1753.0	1538.2
42.5°	907.0	963.3	1052.6	1194.8	1409.9	1670.0	1874.4	1900.9	1749.0	1534.6	1337.7
45°	833.1	882.9	975.1	1122.0	1353.8	1605.6	1750.0	1685.1	1480.6	1259.1	1109.2
47.5°	753.9	805.6	894.3	1045.2	1272.7	1508.6	1577.4	1439.3	1229.4	1049.7	912.1
50°	703.9	753.7	840.4	992.7	1217.8	1429.1	1457.5	1279.2	1086.2	928.4	815.6
52.5°	653.4	700.3	785.6	938.3	1153.8	1336.8	1319.2	1137.4	959.9	825.5	736.9
55°	578.3	622.6	703.9	847.1	1043.1	1188.1	1124.4	950.8	804.1	699.6	632.3
57.5°	511.0	553.5	623.7	753.0	923.5	1023.1	942.0	795.8	679.0	598.7	548.4
60°	465.4	503.0	569.8	689.9	838.0	913.8	833.7	704.5	606.2	541.9	497.0
62.5°	422.2	455.0	516.8	625.9	754.5	818.2	737.2	627.8	544.0	487.1	448.9
65°	356.8	386.6	441.1	526.1	631.7	674.1	604.4	515.8	450.8	408.4	382.9
67.5°	297.1	322.4	369.5	436.4	514.1	545.0	491.9	423.3	374.4	340.3	320.0
70°	257.3	279.1	316.1	373.8	444.2	467.9	418.1	361.7	325.8	298.5	279.7
72.5°	223.8	239.8	273.4	318.0	376.7	395.5	360.8	311.2	277.8	257.3	242.4
75°	170.5	183.9	205.7	241.5	282.1	293.1	267.0	236.0	213.6	199.0	187.5
77.5°	123.0	132.8	148.6	170.7	198.8	208.7	192.1	171.5	155.1	145.3	138.8
80°	92.8	100.8	114.0	132.2	149.3	154.7	145.0	129.2	117.7	112.3	106.8
82.5°	68.6	73.0	81.1	93.5	105.1	111.6	103.3	93.8	87.7	82.7	80.6
85°	34.6	37.0	40.7	45.5	52.8	55.2	52.2	49.8	46.1	43.1	43.1
87.5°	12.8	12.9	14.5	15.7	17.7	19.4	19.1	18.3	18.0	17.6	17.1
90°	1.0	1.7	2.4	3.1	3.9	4.8	5.7	6.7	7.6	7.8	8.1
92.5°	5.7	5.4	5.3	5.1	5.4	6.0	6.7	7.4	8.0	8.5	9.0
95°	16.3	13.5	10.6	7.8	6.7	7.5	8.2	9.0	9.8	10.3	10.8
97.5°	37.4	36.0	34.8	33.4	30.3	25.2	20.2	15.2	10.2	10.7	11.2
100°	54.7	56.1	57.4	58.9	54.1	43.2	32.3	21.3	10.4	11.0	11.5
102.5°	70.9	71.9	72.9	73.9	68.5	56.5	44.6	32.6	20.8	19.0	17.3
105°	94.7	95.4	96.2	97.0	94.3	87.9	81.6	75.3	69.0	56.6	44.2
107.5°	119.8	120.5	121.1	121.7	122.5	123.5	124.5	125.5	126.4	117.3	108.3
110°	136.7	137.2	137.8	138.4	139.0	139.8	140.5	141.3	142.1	139.8	137.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	152.8	153.3	153.7	154.3	154.9	155.7	156.5	157.2	158.0	158.0	158.1
115°	176.6	177.0	177.4	177.8	178.3	179.0	179.6	180.2	180.8	181.6	182.3
117.5°	199.8	200.3	200.8	201.3	201.8	202.1	202.4	202.8	203.0	203.6	204.2
120°	214.3	214.9	215.5	216.2	216.6	216.8	217.0	217.2	217.4	218.0	218.6
122.5°	228.8	229.3	229.8	230.3	230.7	231.0	231.2	231.5	231.8	232.2	232.6
125°	248.9	249.4	249.9	250.6	250.9	251.3	251.6	251.8	252.1	252.3	252.4
127.5°	268.3	268.9	269.4	269.9	270.4	270.7	271.1	271.4	271.7	272.0	272.2
130°	280.4	280.9	281.5	282.0	282.5	282.8	283.0	283.3	283.6	283.8	284.2
132.5°	291.9	292.6	293.1	293.6	294.0	294.3	294.5	294.7	295.0	295.2	295.5
135°	309.5	310.0	310.4	310.8	311.1	311.4	311.7	312.0	312.3	312.5	312.7
137.5°	324.8	325.3	325.8	326.4	326.7	326.9	327.0	327.2	327.3	327.7	328.0
140°	334.7	335.2	335.6	336.0	336.4	336.5	336.7	337.0	337.2	337.4	337.7
142.5°	344.1	344.5	344.9	345.4	345.6	345.9	346.1	346.3	346.5	346.7	347.0
145°	357.2	357.7	358.2	358.6	359.0	359.1	359.3	359.4	359.5	359.7	359.8
147.5°	369.3	369.6	370.0	370.2	370.5	370.7	370.8	371.0	371.0	371.2	371.3
150°	376.7	376.9	377.2	377.4	377.6	377.7	377.8	378.0	378.1	378.3	378.4
152.5°	383.4	383.5	383.6	383.7	383.9	383.9	384.0	384.1	384.1	384.4	384.7
155°	392.8	392.6	392.5	392.4	392.4	392.4	392.4	392.5	392.6	393.0	393.3
157.5°	400.4	400.4	400.3	400.3	400.3	400.2	400.1	400.0	400.0	400.4	400.8
160°	404.8	404.7	404.7	404.7	404.6	404.5	404.4	404.4	404.3	404.7	405.1
162.5°	409.0	408.8	408.7	408.5	408.3	408.2	408.2	408.1	408.0	408.5	409.0
165°	414.1	413.9	413.8	413.5	413.4	413.3	413.2	413.1	413.1	413.7	414.2
167.5°	418.1	417.9	417.6	417.2	417.1	417.1	417.1	417.1	417.1	417.7	418.2
170°	420.4	420.1	419.8	419.5	419.4	419.4	419.4	419.4	419.4	420.0	420.5
172.5°	421.9	421.5	421.2	420.8	420.7	420.7	420.8	420.9	420.9	421.5	422.0
175°	423.7	423.4	423.1	422.8	422.6	422.7	422.8	422.8	422.8	423.4	423.8
177.5°	424.4	424.1	423.8	423.5	423.4	423.5	423.5	423.6	423.7	424.1	424.5
180°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1317.9	1318.5	1323.8	1327.7	1325.7	1328.2	1329.1
5°	1439.9	1461.8	1473.3	1481.8	1482.4	1483.0	1487.9
7.5°	1612.8	1636.3	1653.4	1679.4	1687.1	1696.0	1693.4
10°	1739.1	1773.7	1803.4	1819.2	1836.2	1861.1	1841.0
12.5°	1857.1	1918.3	1963.6	1988.2	2004.1	2009.1	1999.3
15°	2051.6	2131.7	2174.8	2173.5	2228.2	2251.8	2214.8
17.5°	2230.0	2303.9	2363.1	2393.4	2439.0	2449.1	2444.4
20°	2339.2	2419.9	2466.0	2518.2	2541.9	2563.1	2566.8
22.5°	2433.4	2505.9	2555.4	2598.8	2618.6	2628.7	2634.7
25°	2530.3	2587.4	2617.2	2632.3	2637.8	2636.5	2628.7
27.5°	2523.7	2528.1	2495.3	2463.2	2434.4	2402.0	2390.8
30°	2458.2	2407.2	2316.1	2264.6	2188.7	2128.7	2152.9
32.5°	2285.8	2184.3	2082.1	1969.4	1876.1	1849.5	1822.8
35°	1950.9	1772.5	1668.1	1546.8	1498.2	1449.7	1416.3
37.5°	1578.3	1440.3	1316.5	1237.2	1188.5	1157.8	1141.3
40°	1364.7	1240.3	1138.4	1074.1	1037.1	1002.5	997.6
42.5°	1194.3	1078.6	1001.9	950.7	915.2	900.4	889.8
45°	978.2	897.4	845.9	809.5	785.8	776.7	764.6
47.5°	828.0	770.9	732.2	707.4	689.6	682.8	681.8
50°	744.0	696.6	668.1	648.6	634.7	632.3	622.6
52.5°	680.8	639.8	617.6	600.7	590.6	583.7	580.9
55°	591.0	563.7	543.7	534.0	526.1	519.4	519.4
57.5°	517.1	494.3	481.1	472.8	470.4	465.7	462.6
60°	471.4	452.1	441.8	434.4	429.6	430.3	424.7
62.5°	426.9	414.2	404.4	397.1	391.3	391.4	391.7
65°	363.5	353.7	346.5	344.0	340.5	336.2	337.4
67.5°	308.0	298.9	293.2	289.1	287.8	285.5	289.1
70°	268.2	261.5	257.3	253.6	252.4	253.1	256.1
72.5°	231.8	227.0	224.3	222.6	219.9	220.0	222.1
75°	182.0	178.4	175.9	174.2	173.5	173.5	173.5
77.5°	133.8	132.9	131.8	129.1	129.2	130.0	130.1
80°	105.6	103.8	103.2	101.9	100.1	98.9	101.9
82.5°	78.9	77.0	76.4	76.2	73.4	73.2	75.7
85°	42.4	40.7	41.3	40.7	40.7	40.0	40.0
87.5°	16.8	16.3	15.9	16.4	15.9	15.4	16.5
90°	8.4	8.6	8.9	9.0	9.2	9.3	9.5
92.5°	9.5	9.9	10.2	10.2	10.3	10.3	10.4
95°	11.2	11.8	11.9	11.9	11.9	11.9	11.9
97.5°	11.9	12.4	12.7	12.8	12.8	12.9	13.0
100°	12.0	12.7	12.9	13.0	13.1	13.2	13.2
102.5°	15.5	13.8	13.0	13.1	13.2	13.4	13.5
105°	31.8	19.4	13.3	13.5	13.6	13.7	13.8
107.5°	99.2	90.2	80.9	71.6	62.2	52.9	43.5
110°	135.2	132.9	126.7	116.7	106.6	96.7	86.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	158.1	158.2	157.1	155.0	152.9	150.8	148.6
115°	183.0	183.7	184.1	184.4	184.8	185.0	185.3
117.5°	204.7	205.3	205.6	205.6	205.7	205.8	205.8
120°	219.1	219.6	220.0	220.0	220.0	220.0	220.0
122.5°	233.0	233.4	233.5	233.6	233.7	233.7	233.8
125°	252.5	252.6	252.8	252.9	253.1	253.2	253.3
127.5°	272.4	272.7	272.7	272.5	272.4	272.2	272.2
130°	284.5	284.7	284.8	284.6	284.5	284.4	284.2
132.5°	295.8	296.0	296.1	295.9	295.7	295.5	295.3
135°	312.9	313.1	313.1	312.9	312.7	312.5	312.3
137.5°	328.3	328.7	328.8	328.6	328.5	328.3	328.2
140°	338.0	338.3	338.3	338.2	338.0	338.0	337.8
142.5°	347.1	347.4	347.4	347.2	347.0	346.8	346.6
145°	360.0	360.1	360.2	360.2	360.2	360.2	360.2
147.5°	371.5	371.7	371.6	371.2	370.9	370.6	370.2
150°	378.5	378.7	378.6	378.4	378.3	378.0	377.8
152.5°	385.0	385.2	385.1	384.9	384.5	384.1	383.9
155°	393.7	394.0	394.0	393.6	393.2	392.7	392.3
157.5°	401.3	401.7	401.6	401.1	400.6	399.9	399.4
160°	405.6	406.0	405.9	405.5	404.9	404.5	403.9
162.5°	409.5	409.9	410.0	409.6	409.1	408.7	408.2
165°	414.8	415.4	415.4	414.9	414.4	413.9	413.4
167.5°	418.8	419.4	419.4	418.8	418.2	417.7	417.1
170°	421.1	421.6	421.6	421.1	420.5	420.0	419.4
172.5°	422.6	423.1	423.1	422.5	421.9	421.2	420.6
175°	424.4	424.8	424.8	424.3	423.7	423.1	422.6
177.5°	425.0	425.4	425.3	424.8	424.3	423.7	423.1
180°	424.1	424.1	424.1	424.1	424.1	424.1	424.1

(END OF REPORT)